

**SYSTEM AND METHOD TO VERIFY TRUSTED STATUS
OF PEER IN A PEER-TO-PEER NETWORK
ENVIRONMENT**

ABSTRACT OF THE DISCLOSURE

5 A system and method for verifying that a peer is a trusted peer using signed
receipts in a peer-to-peer network environment are disclosed. The method generally
comprises broadcasting a request over the network by a requesting peer for a task with
respect to a remote non-local backend server, receiving a response to the request from the
service-providing server, verifying a digital certificate of the response issued by the
10 remote non-local backend server indicating that the responding service-providing server
is trusted for the requested task, and forwarding the task to a local alias URL of the
responding peer for performance of the task by the responding server if the verifying is
successful. The digital certificate may be a 1024-bit VeriSign digital certificate. The
verifying ensures that the local alias URL is approved by the non-local backend server for
15 the requested task.